UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

EPA United States Environmental Protection Agency Office of Pesticide Programs

Antimicrobials Division (AD)

October 16, 2015

EPA Reg#: 74712-T		DP Barcode: D423417 Submission #: 958338	
Product name: Avancid GL 45		Registrant: Special Materials Company	
Reviewer's name: Chris Jiang		AD/PSB/CTT- Product Chemistry Review	
Agency due date: November 2, 2015		PSB received date: April 15, 2015	
CTT received date: April 15, 2015		Science due date: September 15, 2015	
Formulation type: TGAI _____ ; MUP _____; EUP __X____			
Integrated system: []	Non integrated system: [X]	Food use: []	Non food use: [X]
Action Code: A532	Date Completed:		

PC Code(s) :)	CAS #(s)	Active Ingredient Names	% wt (label)
043901	111-30-8	Glutaraldehyde	45.0

Molecule structure (optional):	
Test Lab: Product Safety Labs	
MRID(s): 49475001	
Approver: Karen P. Hicks	Approved date:
Guideline:	
Comments:	

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WASHINGTON, DC 20460

OFFICE OF
CHEMICAL SAFETY
AND POLLUTION
PREVENTION

October 16, 2015

MEMORANDUM

Subject: Review for 74712-T

From: Chris Jiang, Chemist
Chemistry and Toxicology Team
Product Science Branch
Antimicrobials Division (7510P)

Thru: Karen P. Hicks, CT Team Leader
Chemistry and Toxicology Team
Product Science Branch
Antimicrobials Division (7510P)

To: Julie Chao PM 33/Terria Northern
Regulatory Management Branch I
Antimicrobials Division (7510P)

Applicant: Special Materials Company

Formulation from Label

Active Ingredient(s)	% by wt.
Glutaraldehyde	45.0
Other Ingredients	55.0
Total	100.0

BACKGROUND:

The registrant has submitted a cover letter, a label, a Confidential Statement of Formula (CSF) for the basic formulation, a data matrix, and MRID 49475001 to address the product chemistry requirements of this end-use product for non-food use.

FINDINGS:

1. The concentration of the active ingredient on the Confidential Statement of Formula (CSF dated July 15, 2015 for the basic formulation) is consistent with the label declaration. This CSF supersedes all previous CSFs for the basic formulation.

2. All ingredients are approved for non-food use in pesticidal products.

3. The product identity and composition is **acceptable**.

4. The description of starting materials is **acceptable**.

5. The description of the formulation process is **acceptable**.

6. The certified limits are based on EPA standard certified limits and are **acceptable**.

7. The preliminary analysis is **acceptable**.

8. The enforcement analytical method is **acceptable**.

9. The submittal of samples is **acceptable**.

10. The color, physical state, and odor are **acceptable** as the product is a yellowish liquid with a strong, pungent odor.

12. The density is **acceptable** as the density was determined to be 1.113 g/mL.

13. The pH is **acceptable** as the pH was determined to be 3.78.

14. The oxidation/reduction potential is **acceptable** as the product does not contain any oxidizing or reducing agents.

15. The flammability is **acceptable** as the product does not contain any combustible liquids.

16. The explodability is **acceptable** as the product is not potentially explosive.

17. The storage stability is **acceptable**. The registrant is using the storage stability data from 464-492 to support this product.

18. The miscibility is **acceptable** as the product is not to be diluted with petroleum solvents.

19. The viscosity is **acceptable** as the viscosity is 10 to 20 mPa according to public literature.

20. The corrosion characteristics is **acceptable**. MRID 49475001 indicates that the product is not corrosive to product containers. The RED for gluteraldehyde indicates this requirement is not applicable.

21. The dielectric breakdown voltage is **acceptable** as the electrical conductivity was 777.0 microsiemens/centimeter at 22.5°C. This is from the data on EPA Registration No. 464-705

CONCLUSIONS:

Product Science Branch of Antimicrobials Division finds the CSF dated July 15, 2015 for the basic formulation and the data for 74712-T to be acceptable for product chemistry.